

## ACOUSTICAL PREFERENCE TUNER

## 5 ABSTRACT OF THE DISCLOSURE

A system and method for creating and receiving customized radio programs based on a user's audio preference information. The system includes a user station including a preference tuner and a sequencer. The preference tuner compares the user's audio preference information with audio feature information associated with each audio piece that is to be received by the user station. The preference tuner selects the audio pieces that are to be included in a customized audio program based on the comparison. The preference tuner transmits information about the selected audio pieces to the sequencer, including the associated broadcast channels and scheduled start times, for downloading the audio pieces into a buffer. The sequencer controls the downloading of the selected audio pieces into the buffer as they are communicated via the broadcast channels according to their scheduled broadcast times. The sequencer further controls the playback of the downloaded audio pieces from the buffer. As the audio pieces are played, they are preferably removed from the buffer and the buffer is replenished with other audio pieces selected by the preference tuner.

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